

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**

1011 N. GRANDVIEW AVENUE  
GLENDALE, CA 91201  
18) 551-2800

**M E M O R A N D U M**

**TO:** Michelle McKibben  
Planning & Policy Unit  
Site Mitigation Program

**FROM:** Gloria Gallardo  
Site Mitigation Branch  
Region 3

**DATE:** September 12, 1994

**SUBJECT:** REMEDIAL ACTION CERTIFICATION FORM - SOUTHERN CALIFORNIA  
GAS COMPANY, SANTA BARBARA

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Attached is the Certification package for the So. Cal. Gas. Co., Santa Barbara site. All remedial activities, pursuant to the RAP, have been completed, however, the site will require O&M. The completion date of 07/18/94 has been entered into Calsites (Historical/Comments) and represents completion of the specified AWP activity. If you have any questions, please contact me.

Attachments

REMEDIAL ACTION CERTIFICATION FORM

1. Site Name and Location: (Street address, County, City and Assessor's parcel number)

Santa Barbara Manufactured Gas Plant Site, 630 East Montecito Street, Santa Barbara, California 93102

- A. List any other names that have been used to identify sites:

N/A

- B. Address of site if different from above: N/A

- C. Assessor's Parcel Number: 65-050-29

2. Responsible Parties:

Name: Mary Howard, M.L. 27D1 Name: Mr. Ron Jensen

Title: Project Administrator Title: Environmental Specialist

Firm: Southern CA Gas Company Firm: Southern CA Edison Co.

Address: 555 West Fifth Street Address: 2244 Walnut Grove Ave.

City: Los Angeles City: Rosemead

Zip: 90013-1011 Zip: 91770

Telephone: (213) 244-5928 Telephone: (818) 302-5967

Relationship to Site:

Current Landowner/Operator Southern CA Gas Company

3. Brief Description and History of the Site:

The approximately 2 1/4-acre facility is in an area which is a mixture of light industrial, commercial, and residential properties. The Site was originally used for Santa Barbara's first electric street railway system, but starting in 1901, a series of utilities operated manufactured gas plant facilities on the Site. The plant was converted from a carbureted water gas facility to the oil gas process in 1910. The major by-products from this process were lamp-black, tar and light oil. Polyaromatic hydrocarbons (PAHS), which are compounds associated with the gas plant by-products were encountered on the Site. Excavation and thermal desorption

were selected as the cleanup alternatives.  
On-site cleanup levels of 42 mg/kg and off-site cleanup  
levels of 0.22 mg/kg were adopted and met for carcinogenic  
PAHs.

4. Type of Site:

Included in Bond Expenditure Plan?

Yes  x  No

RCRA-Permitted Facility  NO  Bond - funded  NO

RCRA Facility Closure  NO  RP - funded  YES

\*NPL  NO

Federal Facility  NO

Other (i.e. walk-in):   Explain Briefly:

5. Size of Site: (Based on Expenditure Plan definition of size)

Small   Medium  X  Large   Extra Large

6. Dates of Remedial Action

A. Initiated  10/25/93  B. Completed  01/17/94

7. Response Action Taken on Site:

Initial Removal or Remedial Action (site inspection/  
sampling)

X  Final Remedial Action

RCRA enforcement/closure action

No action, further investigation verified that no cleanup  
action at site was needed.

A. Type of Remedial Action

Excavation/thermal desorption of PAHs and benzene con-  
taminated soils, and off-site disposal of lead con-  
taminated soils.

B. Estimated quantity of waste associated with the site.

1.  X  treated Amount:  6,800 tons

2.   untreated (capped sites) Amount:

3.  X  removed Amount:  4,000 tons

\*Per SARA, any NPL site that is not permanently cleaned must be  
scheduled for a follow-up visit after 5 years to verify that  
cleanup measures are still satisfactory.

8. Cleanup Levels/Standards

- A. What were the cleanup standards established by DTSC pursuant to the final remedial action plan (RAP) or workplan (if cleanup occurred as the result of a removal action (RA) or interim remedial measures (IRM) prior to development of a RAP)?  
Onsite 42 mg/kg and off-site 0.22 mg/kg PAHs.
- B. Were the specified cleanup standards met? Yes  No
- C. If "no", why not: \_\_\_\_\_

9. DTSC Involvement in the Remedial Action:

- A. Did the Department order the Remedial Action?  
Yes  No  Date of Remedial Action Order 10/15/90
- B. Did the Department review and approve (check appropriate action and indicate date of review/approval if done):
- |                                     |                                |                     |
|-------------------------------------|--------------------------------|---------------------|
| <input checked="" type="checkbox"/> | Sampling & Analysis Procedures | Date <u>3/31/93</u> |
| <input checked="" type="checkbox"/> | Health & Safety Protections    | Date <u>3/31/93</u> |
| <input checked="" type="checkbox"/> | Removal/Disposal Procedures    | Date <u>3/31/93</u> |
| <input checked="" type="checkbox"/> | Removal Action Plan            | Date <u>3/31/93</u> |
- C. If site was abated by a responsible party, did the Department receive a signed statement from a licensed professional on all Remedial Actions?  
Yes  No  Dates (from) \_\_\_\_\_ (to) \_\_\_\_\_
- D. Did a registered engineer or geologist verify that acceptable engineering practices were implemented?  
Yes  No  Name Mark Schultheis Date Verified 03/18/94
- E. Did the Department confirm completion of all Remedial Actions?  
Yes  No  Date of Verification 04/01/94  
(i.e. manifest, sampling, demonstrated installation and operation of treatment)
- F. Did the Department (directly or through a contractor) actually perform the Remedial Action?  
Yes  No  Name of Contractor: \_\_\_\_\_
- G. Was there a community relations plan in place?  
Yes  No
- H. Was a remedial action plan developed for this site?  
Yes  No
- I. Did Department hold a public meeting regarding the draft RAP? Yes  No
- J. Were public comments addressed?  
Yes  No

K. Are all of the facts cited above adequately documented in the Department files? Yes  No

10. EPA Involvement in the Remedial Action:

A. Was the EPA involved in the site cleanup? Yes  No

B. If yes, did EPA concur with all remedial actions?  
Yes  No

11. Other Regulatory Agency Involvement in the Cleanup Action:

Agency:

Activity:

RWQCB  
 ARB  
 CHP  
 CalTrans  
 Other

Contact: Mr. Frank DeMarco  
\_\_\_\_\_  
\_\_\_\_\_

Name of contact person(s) and agency: \_\_\_\_\_  
Santa Barbara County Air Pollution Control District (SBCAPCD)  
Contact: Mr. Jeff Carmody; Santa Barbara County Environmental  
Health Services Department (SBCEHSD); SMU/LUFT Programs; Santa  
Barbara County Department of Public Works, Contact: Mr. Bill  
Tracy.

12. Post-Closure Activities:

A. Will there be post-closure activities at this site?  
Yes  No

If yes, describe: Well monitoring, well closure.

B. Have post-closure plans been prepared and approved by the Department? Yes  No

C. What is the estimated duration of post-closure (including operations and maintenance activities)? 2 years.

D. Have deed restrictions been recorded with the County recorder? Yes  No ? The deed restriction language is being negotiated.

E. Has cost recovery been initiated? Yes  No   
If yes, amount received \$10,518.87; \_\_\_\_\_% of DTSC costs.

F. Were local planning agencies notified of the cleanup action?

Yes  No  If yes, the name and address of agency:

County of Santa Barbara

Energy Division, Resource Management Department

1226 Anacapa Street, Santa Barbara, California 93101

13. Expenditure of Funds and Source:

(Information to be supplied by DTSC Accounting Unit.)

Funding Source and amount expended:

_____	HWCA	\$ _____	_____	HSA	\$ _____
_____	HSCF	\$ _____	_____	RCRA	\$ _____
<u>  x  </u>	RP	\$1,699,005.00	_____	Other	\$ _____
_____	Federal Cooperative Agreement	\$ _____			

14. Certification Statement: Based upon the information which is currently and actually known to the Department,

  x   The Department has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.

\_\_\_\_\_ The Department has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary.

  x   The Department has determined that all appropriate removal/remedial actions have been completed and that all acceptable engineering practices were implemented; however, the site requires ongoing operation and maintenance (O&M) and monitoring efforts. The site will be deleted from the "active" site list following (1) a trial operation and maintenance period and (2) execution of a formal written settlement between the Department and the responsible parties, if appropriate. However, the site will be placed on the Department's list of sites undergoing O&M to ensure proper monitoring of long-term clean-up efforts.

15. Certification of Remedial Action:

I hereby certify that the foregoing information is true and correct to the best of my knowledge.

1. Gabriel J. Farkas, Ph.D. 07/14/1994  
Dr. Gabriel Farkas, Project Manager Date
  
2. Harlan R. Jech 14 JUL 94  
Harlan R. Jech, Unit Chief Date  
Site Mitigation Branch
  
3. Hamid Saebfar 7/18/94  
Hamid Saebfar, Chief Date  
Site Mitigation Branch, Regions 3 & 4

REMEDIAL ACTION CERTIFICATION FORM  
TRANSMITTAL SHEET

SANTA BARBARA MANUFACTURED GAS PLANT SITE  
Name of hazardous waste site or RCRA facility

Gabriel J. Farkas, PhD.  
Dr. Gabriel Farkas, Project Manager

07/14/1994  
Date

Harlan R. Jeche  
Harlan R. Jeche, Unit Chief  
Site Mitigation Branch

14 JUL 94  
Date

Hamid Saebfar  
Hamid Saebfar, Chief  
Site Mitigation Branch  
Regions 3 & 4

7/18/94  
Date

Please return completed Certification Form to:  
\_\_\_\_\_ Chief, HQ Site Mitigation Planning and Policy Unit

## CERTIFICATION REPORT

### **Name and Location of Site:**

Southern California Gas Company, Santa Barbara. The facility is located in Santa Barbara County.

### **Address of Site:**

630 East Montecito Street  
Santa Barbara, California 93102

### **Date Project Initiated:**

The Remedial Action Order was issued October 15, 1990

### **Date Project Certified:**

July 18, 1994

### **Site Description/Contaminants:**

The 2.25 acre facility is in an area which is a mixture of light industrial, commercial and residential properties. The Southern California Gas Company, Santa Barbara site (Site) was originally used for Santa Barbara's first electric street railway system, but starting in 1901, a series of utilities operated manufactured gas plant facilities on the Site. The plant was converted from a carbureted water gas facility to the oil gas process in 1910. The major by-products from this process were lampblack, tar and light oil. Polyaromatic hydrocarbons (PAHs), which are compounds associated with gas plant by-products, were encountered on-site.

### **Description of Removals and Remedial Actions:**

Excavation and thermal desorption were selected as the cleanup alternatives. On-site cleanup levels of 42 mg/kg and off-site cleanup levels of .22 mg/kg were adopted and met for carcinogenic PAHs. Approximately 4,000 tons of contaminated soil were removed and 6,800 tons of contaminated soil were treated by thermal desorption.

### **Description of Problems Encountered:**

N/A

### **Description of Unique Accomplishments:**

This was the first time that thermal desorption was used at a manufactured gas plant site in

California. The thermal desorption technology proved successful and is now being implemented on a number of other "Gas Plant" sites in California.

**Final Use of the Site:**

Southern California Gas Company utilizes the Site as a base station for their operations. A deed restriction on a portion of the Site prevents any future residential uses.